Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

No. **First & Part Bill** Date.....

Division: **BBMP, Dasarahalli** Sub-Division: **Shettyhalli Sub Division**

Bill Received No. Dated Divisional / Sub Divisional D.R.No. : Cash Book Voucher No..... Dated..... Schedule Docket No. Head of Account:

Est.Cost: 166.66 Lakhs

Name of Work (as per sanctioned estimate) :	**Annual maintenance and Re-asphalting of Shettyhalli railway gate to Abbigere main road and surrounding area in ward no.12, Shettyhalli Sub Division.**
Name of Contractor and Full Address :	**Sri K.M. Aswatha Narayana Karinala Village, Doddaballapura (T), Bangalore Rural (D) 562103.**
Reference to Agreement No	**EE / DD / WO / 115 / 2020-21 dated : 09.10.2020**

Certified that the measurements were taken by me on 08/03/202 and recorded in Pages of measurement Book No. 4893/20-21 and that the work is satisfactorily executed. 489208 to 489210.

Contractor **Officer in-charge of work**

Certified that the measurement were taken by me on 8/3/21.....and found correct. The work is satisfactorily executed. Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

II Memorandum of Payment **Work Code: 012-20-000114 (P-code: P1771)**

1) Total value of work done or supplies made as per account within	
2) Deduct amount to be held in reserve being .....percent Rs.....	
3) " Balance	
4) Deduct Payment:	
a. Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No.....	Amount adjusted
towards cash advance recovery of	
b. Payments Now made { cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	
5) Balance being unpaid value of work done held in reserve.	
6) Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	
7) Net amount due to or from Contractor	adjustments items.
8) Advance to Contractor for materials brought to site (as detailed) within.	
9) Value of Government materials supplied.	
Total amount adjusted -	

Contractor's Signature

Received Rs..... (in words).....

.....

by cash and by adjustment of Payment as per memorandum

(in final settlement of all demands) (For use in the Office)

Witness

1.

2.

Stamp

Dated Signature of Contractor

Paid by me by Cheque No.....Dated.....

Cash Rs.....

Dated.....

Initials of Officer making payment **Executive Engineer**

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Sl. No.	Description of Item
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 as per Engineer In Charge
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. as per Engineer In Charge
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specifications. do- Wall & bottom thickness 15cm as per Engineer In Charge
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work TMT bars Fe500 including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. as per Engineer In Charge
5	Providing and fixing precast reinforced cement concrete covering slabs of 10cm thick made out of M25 with OPC cement @340kgs per cum, 20mm and down size graded granite metal course aggregates @0.70cum and fine aggregated @0.74 cum with super plasticizers, machine mixed, including providing and removing centering, shuttering, strutting propping etc., for edges of slab with TMT steel (Fe500) cost & reinforcement charges, including finishing as required with cost of reinforcement etc, complete as directed by Engineer in Charge of the work.
6	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. as per Engineer In Charge
7	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 as per Engineer In Charge
8	KSRRB 300-46. Scarifying by mechanical means stone metal crust 50mm to 100mm thick by along with 20mm premix carpet / surface dressing and stacking of old serviceable materials including cost of all labour charges, HOM complete as per specifications. MORTH / Chapter 3 as per Engineer In Charge

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Unit	Previous		Present Measurements			Total up to date	
	Qty	Amount	Qty	Rate	Amount	Qty	Amount
Cum	-	-	167.09	236.77	39561.90	167.09	39561.90
Cum	-	-	24.84	5,780.37	143584.39	24.84	143584.39
Cum	-	-	54.74	7,423.00	406335.02	54.74	406335.02
MT	-	-	1.74	78,977.63	137421.08	1.74	137421.08
Sqm	-	-	118.80	1,810.02	215030.38	118.80	215030.38
Nos	-	-	-	454.06	0.00	-	0.00
Sqm	-	-	-	89.03	0.00	-	0.00
Sqm	-	-	3,631.50	46.22	167847.93	3,631.50	167847.93

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9	KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. as per Engineer In Charge
10	KSRRB 300-58. Compaction of original ground by mechanical means including filling in depression occuring during rolling including cost of all labour, HOM complete as per specifications. MORTH / Chapter 3 as per Engineer In Charge
11	0400 Stone dust / Grit 4.75 mm to 0.075 mm as per Engineer In Charge
12	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. as per Engineer In Charge
13	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 as per Engineer In Charge
14	KSRRB M500-6. Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including cleaning of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. Clause 502 of MORTH V revision as per Engineer In Charge
15	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM complete as per specifications. Clause 501 of MORTH V revision as per Engineer In Charge
16	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM complete as per specifications. Clause 503 of MORTH V revision as per Engineer In Charge
17	KSRRB M500-17. Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 505 of MORTH V revision - do - using 40/60 TPH capacity H.M.P. with Mechanical paver Gr-II (50 mm to 75 mm) with 4.5 % VG-30 Bitumen as per Engineer In Charge

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	-	-	2,905.20	75.19	218441.99	2,905.20	218441.99
	-	-	3,631.50	5.30	19246.95	3,631.50	19246.95
	-	-	273.49	1,049.90	287137.15	273.49	287137.15
	-	-	344.97	2,094.46	722525.87	344.97	722525.87
	-	-	381.93	2,108.00	805108.44	381.93	805108.44
	-	-	2,582.88	27.82	71855.72	2,582.88	71855.72
	-	-	8,187.90	5.50	45033.45	8,187.90	45033.45
	-	-	8,187.45	13.30	108893.09	8,187.45	108893.09
	-	-	409.37	6,012.00	2461132.44	409.37	2461132.44

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18	Providing and laying bituminous concrete 40mm thick with hot mix plant, using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in all respects complete as per specifications. Clause 507 of MORTH V revision as per IRC SP-53-2015. – do – using 40-60 TPH capacity HMP with mechanical paver grading II (30-45mm) with 5.4 % of modified bituminus binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of plastomeric thermoplastics (waste plastic) as per Engineer In Charge
19	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface/Concrete Surface: Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35 standards specified. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 as per Engineer In Charge

Certificate

1 Certified that the contractor has work done satisfactorily.
2 The contractor has removed the debries from work site.
3 There is no any dept. materials issued to contractor

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	"	"	327.50	7,099.15	2324971.63	327.50	2324971.63
	"	"	278.91	477.43	133160.00	278.91	133160.00
				Total Rs	**8307287.41**		**8307287.41**
				GST Charges 12%	**996874.49**		**996874.49**
				Grand Total	**9304161.90**		**9304161.90**

Assistant Engineer
Ward No 12, Shettyhalli
BBMP, Bangalore

Assistant Executive Engineer
Shettyhalli Sub Division
BBMP, Bangalore

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